

REMARKS

Claims 1-19 were presented at the time of filing. Claim 15 is canceled above and presented in dependent form as new claim 20. Claims 1-14 and 16-20, therefore are pending in the application with claims 4-10, 11-14, 18 and 19 withdrawn from consideration.

The Action of November 1, 2005 requires election under 35 U.S.C. §121 among eleven groups of claims:

- Group I. Claims 1-3 and 15-17, drawn to a SMG-1 polypeptides and mutants thereof with altered activity, classified in class 435, subclass 183.
- Group II. Claims 4-6, 8 and 17, drawn to polynucleotides encoding SMG-1 polypeptides, vectors comprising, and cells comprising the vector, as well as knock-out animals, classified in class 800, subclass 8.
- Group III. Claim 7, drawn to antibodies to SMG-1 polypeptides, classified in class 530, subclass 387.1.
- Group IV. Claim 9, drawn to method for screening a substance which modifies an SMG-1 activity, comprising determining if UFP1/SMG-2 is phosphorylated, classified in class 435, subclass 4.
- Group V. Claim 10, drawn to a method to screen for a substance which modifies an SMG-1 activity, comprising analyzing whether an SMG-1 polypeptide is autophosphorylated, classified in class 435, subclass 4.
- Group VI. Claims 11 and 13, drawn to a substance for suppressing nonsense mediated mRNA decay or treating and/or preventing a disease caused by premature translation termination, classified in class 514, subclass 1.
- Group VII. Claims 12-15 and 16, drawn to an inhibitor of any PIK related kinase, classified in class 530, subclass 300.
- Group VIII. Claim 15, drawn to an aminoglycoside antibiotic, classified in class 424,

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subclass 116.

Group IX. Claim 17, drawn to a substance which promotes an activity of SMG-1, classified in class 435, subclass 174.

Group X. Claim 18, drawn to a method to identify a nonsense mutation point in a gene, comprising analyzing the molecular weight of a protein, classified in class 435, subclass 4.

Group XI. Claim 19, drawn to a method for identifying a nonsense mutation point in a gene, comprising measuring a difference in an amount of mRNA derived from two different cell cultures, classified in class 435, subclass 6.

Applicant hereby elects the claims of Group I (original claims 1-3 and 15-17). The election is made without traverse and without prejudice to Applicants' rights to pursue the subject matter of the non-elected claim in an additional application.

The Examiner is invited to contact Applicant's Attorney at the telephone number given below if any further questions arise in connection with this Application.

Respectfully submitted,



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